



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Donald R. Huffman, et al. Examiner: P. DiMauro

Serial No.: 08/236,933

Art Unit: 1103

Filed: May 2, 1994

Docket: 7913zazy

For: NEW FORM OF CARBON

Assistant Commissioner for Patents Washington, DC 20231

DECLARATION

Sir:

- I, WOLFGANG KRATSCHMER, declare and say as follows:
- I am one of the co-inventors of the subject matter described and claimed in the above-identified application.
- 2. The other co-inventor of the subject matter described and claimed in the above-identified application is Donald R. Huffman.
- 3. It should be noted that Donald R. Huffman and I are professors at different institutions. Donald R. Huffman is a professor in the Department of Physics at the University of Arizona in Tucson, AZ while I am a professor at the Max Planck Institute for Kernphysik in Heidelberg, Germany.
- 4. Moreover, both of us are among the co-authors of an article entitled: "The infrared and ultraviolet absorption spectra of laboratory produced carbon dust: evidence for the present of the C_{60} molecule" in <u>Chemical Physics Letters</u>, 1990, 167-170 (hereinafter referred to as the article).
- 5. In addition to myself and Donald R. Huffman, there is an additional co-author of the article described in the previous paragraph: K. Fostiropoulous.
- 6. While K. Fostiropoulous is a co-author of the publication, it is my opinion that and I have been advised by

counsel that he is not a co-inventor of the subject matter described and claimed herein.

- 7. At the relevant time, K. Fostiropoulous was a doctoral student conducting experiments in my research group in the laboratories at the Max-Planck Institute in Heidelberg, Germany towards completion of his doctorate from the University of Heidelberg in Germany.
- 8. Although K. Fostiropoulous performed experiments described in the article, those experiments described therein which he performed were conducted under my direction and supervision.
- 9. It is my opinion that and I have been advised by counsel that K. Fostiropoulous is not an inventor of the subject matter described in the publication.
- herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the above-referenced application or any patent issuing thereon.

Dated: Sept. 10, 1997 W. Krötschmer
WOLFGANG KRATSCHMER

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coming or advancing near; as, he was apprised of the enemy's approach; the approach of the holidays.

2. an approximation; resemblance.
3. [ofies [s pl.] an advance or overture to someone.

4. a way of coming toward or reaching a person of place; access.

5. in golf, a stroke after the tee shot, meant to knock the ball onto the putting

green.
6. an approaching (which see).
7. [pl.] in fortification, the works thrown up by besiegers to protect them in their advances toward a fortress or fortified town.
ap-proach'a-bil'1-ty, n. approachableness.
ap-proach'a-bie, a. able to be approached; specifically, (a) easy of access; (b) friendly; informal.
ap-proach'a-bie access.

ap proach'a ble ness, n. the state of being approachable.

approachaole.

ap-proach'er, n. one who approaches.

ap-proach'ing, n. in horticulture, the act of ingrafting a sprig or shoot of one tree into another, without cutting it from the parent stock; called also inarching, or grafting by

ap-proach'less, a. unapproachable; without

ap proach.

ap proach ment, n. approach. [Obs.]

ap pro bate, a. approved. [Obs.]

ap pro bate, s.t.; approbated, pt., pp.; approbating, ppr. 1. to express approbation of; to manifest a liking for or degree of satisfaction with the approximation.

maniest a liking for or degree or satisfaction with; to approve.

2. to sanction.

3. in Scots law, to approve as valid.

10 approbate and reprobate; in Scots law, to accept and reject, as when one tries to profit by part of a deed while rejecting the rest.

approbation, n. [L. approbate, to approving, assenting to, from approbate, to approve the act of approving; approval; comments

the act of approving; approval; commendation.

2. sanction.
2. sanction.
3. a novitiate or probation. [Obs.]
4. attestation; proof. [Obs.]
Syn.—approval, assent, concurrence, commendation, praise, permission, liking, concentration. ap'pro bative, a. approving; implying ap-

probation. ap/pro-ba-tive-ness, n. 1. in phrenology, love

ap pro ba tive ness, n. 1. in phrenology, love of approbation.
2. the quality of being approbative.
ap pro ba tor, n. one who approves. [Rare.]
ap pro ba tory, a. containing approbation, expressing approval or sanction.
ap prompt, v.t. to prompt; to stimulate.
[Obs.]

ap proof, s. 1. approval. [Archaic.]
2. proof; the act of testing. [Archaic.]

ap pro pin quate, v.i. [L. appropinguare, to approach, draw near.] to draw near. [Archaic.] ap"prō pin qua'tion, ». a drawing nigh.

[Archaic.]
ap pro pin qui-ty, n. propinquity; nearness.
[Rare.]
ap pro pre (-për), v.i. to appropriate. [Obs.]
ap pro pri a ble, a. capable of being appropriated, set apart, sequestered, or assigned exclusively to a particular use.
ap pro pri-ta-ment, n. a characteristic peculiar to oneself. [Obs.]
ap pro pri-ta-ment, n. a propriated. pl., pp.; appropriating, ppr. [MB. aproprint Off. aproprier; Pr. aproprier; LL. appropriare. to appropriate; L. ad, to, and proprius, one's own.]

own.]
1. to set apart for, or assign to, a particular use, in exclusion of all other uses; as, a spot of ground is appropriated for a garden; money is appropriated by Congress for public buildings.
2. to take to oneself in exclusion of others;

2. to take to oneself in exclusion of others; to claim or use as by an exclusive right.

3. to make suitable. [Rare.]

4. in ecclesiastical law, to sever (an ecclesiastical benefice) and annex it to a spiritual corporation, for its perpetual use.

5.yn.—arrogate, assume, seize, usurp.

appropriate, a. 1. belonging peculiarly;

special.

2. set apart for a particular use or person. [Obs.]
3. fit or proper; suitable; as, appropriate

manners.

Syn.—particular, becoming, congruous, suitable, adapted, peculiar, proper, meet, fit,

apt.
ap pro pri ate, n. a peculiar characteristic;
attribute; property. [Obs.]

ap-pro'pri-ate-ly, adv. in an appropriate or proper manner; suitably; fitly. ap-pro'pri-ate-ness, n. the quality of being appropriate, or especially suitable.

ap pro-pri-g'tlon, n. (LL. appropriatio, from L. ad, to, and propries; one's own.)

1. an appropriating or being appropriated.

2. a sum of money, or any other thing, set apart for a given purpose; as, an appropria-